

CGJ Series High Reliability Grade Mid Voltage (100 to 630V)

Type:

CGJ3 [EIA CC0603] CGJ4 [EIA CC0805] CGJ5 [EIA CC1206] CGJ6 [EIA CC1210]

REMINDERS

Please read before using this product

SAFETY REMINDERS

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(Example)

Catalog Issued date	Catalog Number	Item Description (On Delivery Label)
Prior to January 2013	C1608C0G1E103J(080AA)	C1608C0G1E103JT000N
January 2013 and Later	C1608C0G1E103J080AA	C1608C0G1E103JT000N

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CGJ Series Mid Voltage (100 to 630V)

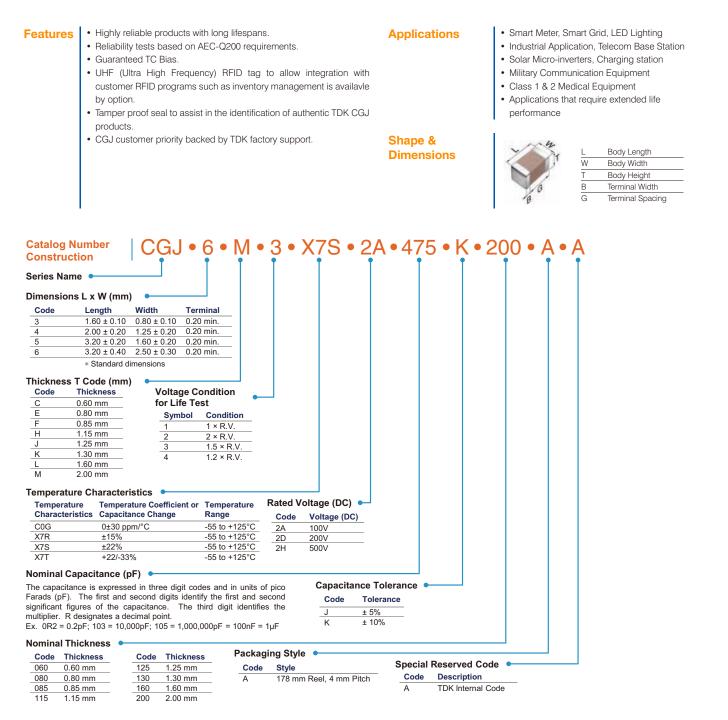
Type: CGJ3 [EIA CC0603], CGJ4 [EIA CC0805], CGJ5 [EIA CC1206], CGJ6 [EIA CC1210]

Pb

Lead

Free

RoHS



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Capacitance Range Chart

Capacitance Range Chart

Temperature Characteristics: C0G (0 ±30ppm/°C), X7R (±15%), X7S (±22%) Rated Voltage: 200V (2D), 100V (2A)

Capacitan	се		C	G	X7R	X7S
(pF)	Code	Tolerance	2D (200V)	2A (100V)	2A (100V)	2A (100V)
100	101	J: ± 5%				
120	121					
150	151					
180	181					
220	221					
270	271					
330	331					
390	391		_			
470	471		-			
560	561	-				
680	681	-				
820	821					
1,000	102	COG;				
1,200	122	J : ± 5%				
1,500	152	X7R, X7S;			-	
2,200	222 332	K : ± 10%			-	
3,300 4,700	332 472					
6,800	682	-			-	
10,000	103					
33,000	333					
47,000	473	-				
68,000	683	-				
100,000	104					-

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CGJ3(1608) [EIA CC0603]

Capacitance Range Chart

CGJ4(2012) [EIA CC0805]

Capacitance Range Chart

Temperature Characteristics: COG (0 ± 30ppm/°C), X7R (±15%), X7S (±22%), X7T (+22%/-33%) Rated Voltage: 200V (2D), 100V (2A)

		(2D), 100V (2A)							
Capacitan	ce		C)G	X	7R	X7S	Х7Т	
(pF)	Code	Tolerance	2D (200V)	2A (100V)	2D (200V)	2A (100V)	2A (100V)	2D (200V)	
100	101	J:±5%	((,	()	(,	(,	(/	
120	121								
150	151	-							
180	181	-							
220	221	-							
270	271	-							
330	331								
390	391								
470	471								
560	561								
680	681								
820	821								
1,000	102								
1,200	122								
1,500	152								
1,800	182	_							
2,200	222								
2,700	272								
3,300	332	_							
3,900	392	_							
4,700	472								
6,800	682	K: ± 10%							
10,000	103	_							
15,000	153	_							
22,000	223	_							
33,000	333							_	o .
47,000	473								Standard Thicknes
68,000	683								0.60 mm
100,000	104	-							0.85 mm
330,000	334	-							
470,000	474								1.25 mm

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Capacitance Range Chart

CGJ5(3216) [EIA CC1206]

Capacitance Range Chart

Temperature Characteristics: C0G (0 ± 30ppm/°C), X7R (±15%), X7S (±22%), X7T (+22%/-33%) Rated Voltage: 500V (2H), 200V (2D), 100V (2A)

Capacitan		(20), 2000 (20)		COG			X7R		X7S	X	т	
(pF)	Code	Tolerance	2H (500V)	2D (200V)	2A (100V)	2H (500V)	2D (200V)	2A (100V)	2A (100V)	2H (500V)	2D (200V)	
100	101	J: ± 5%										
120	121											
150	151											
180	181											
220	221											
270	271											
330	331											
390	391											
470	471											
560	561											
680	681											
820	821											
1,000	102	C0G;										
1,200	122	J : ± 5%										
1,500	152											
1,800	182	X7R, X7S, X7T;										
2,200	222	K : ± 10%										
2,700	272											
3,300	332											
3,900	392											
4,700	472											
5,600	562											
6,800	682											
8,200	822											
10,000	103											
15,000	153											
22,000	223											
33,000	333											
47,000	473											Standard Thickness
68,000	683											0.60 mm
100,000	104											
150,000	154											0.85 mm
220,000	224											1.15 mm
330,000	334											
470,000	474											1.30 mm
1,500,000	155											1.60 mm

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Capacitance **Range Chart**

CGJ6(3225) [EIA CC1210]

Capacitance Range Chart

Temperature Characteristics: X7R (±15%), X7S (±22%), X7T (+22%/-33%) Rated Voltage: 500V (2H), 200V (2D), 100V (2A)

Capacitan	Capacitance			X7R			X	7Т	
(pF)	Code	Tolerance	2H (500V)	2D (200V)	2A (100V)	2A (100V)	2H (500V)	2D (200V)	
47,000	473	K: ± 10%							
68,000	683								
100,000	104								
150,000	154								
220,000	224								
330,000	334								
470,000	474								
680,000	684								Standard Thickness
1,000,000	105								
3,300,000	335								1.60 mm
4,700,000	475								2.00 mm

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Capacitance Range Table

Class 1 (Temperature Compensating)

Temperature Characteristics: C0G(-55 to +125°C, 0 ± 30 ppm/°C)

apacitance	Size	Thickness (mm)	Capacitance Tolerance	Rated Voltage Edc: 500V	Rated Voltage Edc: 200V	Rated Voltage Edc: 100
100 - 5	1608	0.80 ± 0.10	± 5%		CGJ3E3C0G2D101J080AA	CGJ3E2C0G2A101J080A/
100 pF	2012	0.60 ± 0.15	± 5%	00.000000000000000000000000000000000000		CGJ4C2C0G2A101J060A
	3216	0.60 ± 0.15	± 5%	CGJ5C4C0G2H101J060AA		
	1608	0.80 ± 0.10	± 5%		CGJ3E3C0G2D121J080AA	CGJ3E2C0G2A121J080A
120 pF	2012	0.60 ± 0.15	± 5%			CGJ4C2C0G2A121J060A
100 pF	3216	0.60 ± 0.15	± 5%	CGJ5C4C0G2H121J060AA		
	1608	0.80 ± 0.10	± 5%		CGJ3E3C0G2D151J080AA	CGJ3E2C0G2A151J080A
150 pF	2012	0.60 ± 0.15	± 5%			CGJ4C2C0G2A151J060A
	3216	0.60 ± 0.15	± 5%	CGJ5C4C0G2H151J060AA		
	1608	0.80 ± 0.10	± 5%		CGJ3E3C0G2D181J080AA	CGJ3E2C0G2A181J080A
180 pF	2012	0.60 ± 0.15	± 5%			CGJ4C2C0G2A181J060A
	3216	0.60 ± 0.15	± 5%	CGJ5C4C0G2H181J060AA		
	1608	0.80 ± 0.10	± 5%		CGJ3E3C0G2D221J080AA	CGJ3E2C0G2A221J080A
220 pF	2012	0.60 ± 0.15	± 5%			CGJ4C2C0G2A221J060A
· · · _	3216	0.60 ± 0.15	± 5%	CGJ5C4C0G2H221J060AA		
	1608	0.80 ± 0.10	± 5%		CGJ3E3C0G2D271J080AA	CGJ3E2C0G2A271J080A
270 pF	2012	0.60 ± 0.15	± 5%			CGJ4C2C0G2A271J060A
	3216	0.60 ± 0.15	± 5%	CGJ5C4C0G2H271J060AA		
	1608	0.80 ± 0.10	± 5%	2 3000 10002HE7 10000AA	CGJ3E3C0G2D331J080AA	CGJ3E2C0G2A331J080A
330 pE	2012	0.60 ± 0.15	± 5%		000020002000100000	CGJ4C2C0G2A331J060A
550 pi	3216	0.60 ± 0.15	± 5%	CGJ5C4C0G2H331J060AA		0004020002700100007
				CG35C4C0G2H3513060AA		
000	1608	0.80 ± 0.10	± 5%		CGJ3E3C0G2D391J080AA	CGJ3E2C0G2A391J080A
390 pF	2012	0.60 ± 0.15	± 5%	00 150 100 00 100 1 100 0 1		CGJ4C2C0G2A391J060A
	3216	0.60 ± 0.15	± 5%	CGJ5C4C0G2H391J060AA		
470 pF 20	1608	0.80 ± 0.10	± 5%		CGJ3E3C0G2D471J080AA	CGJ3E2C0G2A471J080A
	2012	0.60 ± 0.15	± 5%			CGJ4C2C0G2A471J060A
	3216	0.85 ± 0.15	± 5%	CGJ5F4C0G2H471J085AA		
	1608	0.80 ± 0.10	± 5%		CGJ3E3C0G2D561J080AA	CGJ3E2C0G2A561J080A
560 pF	2012	0.60 ± 0.15	± 5%			CGJ4C2C0G2A561J060A
	3216	0.85 ± 0.15	± 5%	CGJ5F4C0G2H561J085AA		
	1608	0.80 ± 0.10	± 5%		CGJ3E3C0G2D681J080AA	CGJ3E2C0G2A681J080A
680 pF	2012	0.60 ± 0.15	± 5%			CGJ4C2C0G2A681J060A
	3216	0.85 ± 0.15	± 5%	CGJ5F4C0G2H681J085AA		
	1608	0.80 ± 0.10	± 5%			CGJ3E2C0G2A821J080A
820 pF	2012	0.60 ± 0.15	± 5%		CGJ4C3C0G2D821J060AA	CGJ4C2C0G2A821J060A
	3216	0.85 ± 0.15	± 5%	CGJ5F4C0G2H821J085AA		
	1608	0.80 ± 0.10	± 5%			CGJ3E2C0G2A102J080A
	1000	0.60 ± 0.15	± 5%			CGJ4C2C0G2A102J060A
1 nF	2012	0.85 ± 0.15	± 5%		CGJ4F3C0G2D102J085AA	0004020002710200007
_	3216	0.85 ± 0.15	± 5%		CGJ4F3C0G2D102J085AA	
				CGJ5F4C0G2H102J085AA		00 10500000 1000 1000 1
	1608	0.80 ± 0.10	± 5%			CGJ3E2C0G2A122J080A
1.2 nF	2012	0.60 ± 0.15	± 5%			CGJ4C2C0G2A122J060A
_		0.85 ± 0.15	± 5%		CGJ4F3C0G2D122J085AA	
	3216	0.85 ± 0.15	± 5%	CGJ5F4C0G2H122J085AA		
	2012	0.60 ± 0.15	± 5%			CGJ4C2C0G2A152J060A
1.5 nF		0.85 ± 0.15	± 5%		CGJ4F3C0G2D152J085AA	
	3216	1.15 ± 0.15	± 5%	CGJ5H4C0G2H152J115AA		
	2012	0.85 ± 0.15	± 5%			CGJ4F2C0G2A182J085A
1.8 nF	2012	1.25 ± 0.20	± 5%		CGJ4J3C0G2D182J125AA	
	3216	1.15 ± 0.15	± 5%	CGJ5H4C0G2H182J115AA		
	0010	0.85 ± 0.15	± 5%			CGJ4F2C0G2A222J085A
2.2 nF	2012	1.25 ± 0.20	± 5%		CGJ4J3C0G2D222J125AA	
_	3216	1.15 ± 0.15	± 5%	CGJ5H4C0G2H222J115AA		
	2012	1.25 ± 0.20	± 5%		CGJ4J3C0G2D272J125AA	CGJ4J2C0G2A272J125A
2.7 nF —	3216	1.60 ± 0.20	± 5%	CGJ5L4C0G2H272J160AA		
	2012	1.25 ± 0.20	± 5%	COULTOUR IL/ LUIUUAA		CGJ4J2C0G2A332J125A
	2012				CGJ5F3C0G2D332J085AA	0004020002M0020120A
3.3 nF		0.85 ± 0.15	± 5%			

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Capacitance Range Table

Class 1 (Temperature Compensating)

Temperature Characteristics: C0G(-55 to +125°C, 0 ± 30 ppm/°C)

Consciences	Size	Thickness	Capacitance	Catalog Number		
Capacitance	Capacitance Size	(mm)	Tolerance	Rated Voltage Edc: 500V	Rated Voltage Edc: 200V	Rated Voltage Edc: 100V
	2012	1.25 ± 0.20	± 5%			CGJ4J2C0G2A392J125AA
3.9 nF		0.60 ± 0.15	± 5%			CGJ5C2C0G2A392J060AA
3.9 IIF	3216	0.85 ± 0.15	± 5%	CGJ5F4C0G2H392J085AA		
		1.15 ± 0.15	± 5%		CGJ5H3C0G2D392J115AA	
	2012	1.25 ± 0.20	± 5%			CGJ4J2C0G2A472J125AA
4.7 nF	0010	0.85 ± 0.15	± 5%	CGJ5F4C0G2H472J085AA		CGJ5F2C0G2A472J085AA
	3216	1.15 ± 0.15	± 5%		CGJ5H3C0G2D472J115AA	
5.6 nF	3216	0.85 ± 0.15	± 5%			CGJ5F2C0G2A562J085AA
5.0 IIF	3210	1.15 ± 0.15	± 5%	CGJ5H4C0G2H562J115AA	CGJ5H3C0G2D562J115AA	
6.8 nF	3216	1.15 ± 0.15	± 5%	CGJ5H4C0G2H682J115AA		CGJ5H2C0G2A682J115AA
0.0 11	3210	1.60 ± 0.20	± 5%		CGJ5L3C0G2D682J160AA	
8.2 nF	2016	1.15 ± 0.15	± 5%			CGJ5H2C0G2A822J115AA
o.∠ NF	3216	1.60 ± 0.20	± 5%	CGJ5L4C0G2H822J160AA	CGJ5L3C0G2D822J160AA	
10 nF	3216	1.15 ± 0.15	± 5%			CGJ5H2C0G2A103J115AA
10 hF	3210	1.60 ± 0.20	± 5%	CGJ5L4C0G2H103J160AA		

Class 2 (Temperature Stable)

Temperature Characteristics: X7R(-55 to +125°C, ±15%)

Size	Thickness	Capacitance	Catalog Number		
	()		Rated Voltage Edc: 500V	Rated Voltage Edc: 200V	Rated Voltage Edc: 100
	0.80 ± 0.10				CGJ3E2X7R2A102K080A
3216	1.15 ± 0.15	± 10%	CGJ5H4X7R2H102K115AA		
1.5 nF	0.80 ± 0.10	± 10%			CGJ3E2X7R2A152K080A
3216	1.15 ± 0.15	± 10%	CGJ5H4X7R2H152K115AA		
1608	0.80 ± 0.10	± 10%			CGJ3E2X7R2A222K080A/
3216	1.15 ± 0.15	± 10%	CGJ5H4X7R2H222K115AA		
1608	0.80 ± 0.10	± 10%			CGJ3E2X7R2A332K080A
3216	1.15 ± 0.15	± 10%	CGJ5H4X7R2H332K115AA		
1608	0.80 ± 0.10	± 10%			CGJ3E2X7R2A472K080A
3216	1.15 ± 0.15	± 10%	CGJ5H4X7R2H472K115AA		
1608	0.80 ± 0.10	± 10%			CGJ3E2X7R2A682K080A
2012	1.25 ± 0.20	± 10%		CGJ4J3X7R2D682K125AA	
3216	1.15 ± 0.15	± 10%	CGJ5H4X7R2H682K115AA		
1608	0.80 ± 0.10	± 10%			CGJ3E2X7R2A103K080A
2012	1.25 ± 0.20	± 10%		CGJ4J3X7R2D103K125AA	
3216	1.15 ± 0.15	± 10%	CGJ5H4X7R2H103K115AA		
2012	1.25 ± 0.20	± 10%		CGJ4J3X7R2D153K125AA	CGJ4J2X7R2A153K125A
	1.15 ± 0.15	± 10%		CGJ5H3X7R2D153K115AA	
3216	1.30 ± 0.20	± 10%	CGJ5K4X7R2H153K130AA		
2012	1.25 ± 0.20	± 10%		CGJ4J3X7R2D223K125AA	CGJ4J2X7R2A223K125A
	1.15 ± 0.15	± 10%		CGJ5H3X7R2D223K115AA	
3216	1.30 ± 0.20	± 10%	CGJ5K4X7R2H223K130AA		
2012	1.25 ± 0.20	± 10%			CGJ4J2X7R2A333K125A
	1.15 ± 0.15	± 10%			CGJ5H2X7R2A333K115A
3216			CGJ5L4X7B2H333K160AA	CGJ5L3X7B2D333K160AA	
2012					CGJ4J2X7R2A473K125A
					CGJ5H2X7R2A473K115A
3216				CGJ5L3X7R2D473K160AA	
3225			CGJ6M4X7B2H473K200AA		
				CG.I5I 3X7B2D683K160AA	CGJ5L2X7R2A683K160A
			CG.I6M4X7B2H683K200AA	000020/11/2200011100/01	00002271112710007110071
				CG.I5I 3X7B2D104K160AA	CGJ5L2X7R2A104K160A
					00002270112700100070
				2.2.5.1.6.7.1.2.5.7.7.1.2.007.01	CGJ5L2X7R2A154K160A
				CGJ6M3X7B2D154K200AA	2.30223712710710071
				2.2.5.1.6.7.1.2.5.70.1.2.00701	CGJ5H2X7R2A224K115A
				CG.I6M3X7B2D224K20044	COULTER HERE HATTOR
				COUNTREDEETREUURA	CGJ5K2X7R2A334K130A
3225	2.00 ± 0.20	± 10%			0000N2A/ 112A004N 130A
	1608 3216 1608 3216 1608 3216 1608 3216 1608 2012 3216 1608 2012 3216 2012 3216 2012 3216 2012 3216 2012 3216 2012 3216	$\begin{array}{c c} {\rm Size} & ({\rm mm}) \\ \hline 1608 & 0.80 \pm 0.10 \\ 3216 & 1.15 \pm 0.15 \\ 1608 & 0.80 \pm 0.10 \\ 3216 & 1.15 \pm 0.15 \\ 1608 & 0.80 \pm 0.10 \\ 3216 & 1.15 \pm 0.15 \\ 1608 & 0.80 \pm 0.10 \\ 3216 & 1.15 \pm 0.15 \\ 1608 & 0.80 \pm 0.10 \\ 3216 & 1.15 \pm 0.15 \\ 1608 & 0.80 \pm 0.10 \\ 3216 & 1.15 \pm 0.15 \\ 1608 & 0.80 \pm 0.10 \\ 2012 & 1.25 \pm 0.20 \\ 3216 & 1.15 \pm 0.15 \\ 1608 & 0.80 \pm 0.10 \\ 2012 & 1.25 \pm 0.20 \\ 3216 & 1.15 \pm 0.15 \\ 1608 & 0.80 \pm 0.10 \\ 2012 & 1.25 \pm 0.20 \\ 3216 & 1.15 \pm 0.15 \\ 1.30 \pm 0.20 \\ 2012 & 1.25 \pm 0.20 \\ 3216 & 1.15 \pm 0.15 \\ 1.30 \pm 0.20 \\ 2012 & 1.25 \pm 0.20 \\ 3216 & 1.15 \pm 0.15 \\ 1.30 \pm 0.20 \\ 2012 & 1.25 \pm 0.20 \\ 3216 & 1.15 \pm 0.15 \\ 3216 & 1.15 \pm 0.15 \\ 3216 & 1.60 \pm 0.20 \\ 3225 & 2.00 \pm 0.20 \\ 3216 & 1.60 \pm 0.20 \\ 3225 & 2.00 \pm 0.20 \\ 3216 & 1.60 \pm 0.20 \\ 3225 & 2.00 \pm 0.20 \\ 3216 & 1.60 \pm 0.20 \\ 3225 & 2.00 \pm 0.20 \\ 3216 & 1.60 \pm 0.20 \\ 3225 & 2.00 \pm 0.20 \\ 3216 & 1.60 \pm 0.20 \\ 3225 & 2.00 \pm 0.20 \\ 3216 & 1.60 \pm 0.20 \\ 3225 & 2.00 \pm 0.20 \\ 3216 & 1.15 \pm 0.15 \\ 3225 & 2.00 \pm 0.20 \\ 3216 & 1.15 \pm 0.15 \\ 3225 & 2.00 \pm 0.20 \\ 3216 & 1.15 \pm 0.15 \\ 3225 & 2.00 \pm 0.20 \\ 3216 & 1.15 \pm 0.15 \\ 3225 & 2.00 \pm 0.20 \\ 3216 & 1.15 \pm 0.15 \\ 3225 & 2.00 \pm 0.20 \\ 3216 & 1.15 \pm 0.15 \\ 3225 & 2.00 \pm 0.20 \\ 3216 & 1.15 \pm 0.15 \\ 3225 & 2.00 \pm 0.20 \\ 3216 & 1.15 \pm 0.15 \\ 3225 & 2.00 \pm 0.20 \\ 3216 & 1.15 \pm 0.15 \\ 3225 & 2.00 \pm 0.20 \\ 3216 & 1.15 \pm 0.15 \\ 3225 & 2.00 \pm 0.20 \\ 3225 & 2.00 \pm 0.20$	Size (mm) Tolerance 1608 0.80 ± 0.10 $\pm 10\%$ 3216 1.15 ± 0.15 $\pm 10\%$ 1608 0.80 ± 0.10 $\pm 10\%$ 3216 1.15 ± 0.15 $\pm 10\%$ 1608 0.80 ± 0.10 $\pm 10\%$ 3216 1.15 ± 0.15 $\pm 10\%$ 1608 0.80 ± 0.10 $\pm 10\%$ 3216 1.15 ± 0.15 $\pm 10\%$ 1608 0.80 ± 0.10 $\pm 10\%$ 3216 1.15 ± 0.15 $\pm 10\%$ 1608 0.80 ± 0.10 $\pm 10\%$ 3216 1.15 ± 0.15 $\pm 10\%$ 1608 0.80 ± 0.10 $\pm 10\%$ 2012 1.25 ± 0.20 $\pm 10\%$ 3216 1.15 ± 0.15 $\pm 10\%$ 2012 1.25 ± 0.20 $\pm 10\%$ 3216 1.15 ± 0.15 $\pm 10\%$	Size (mm) Tolerance Rated Voltage Edc: 500V 1608 0.80 ± 0.10 $\pm 10\%$ CGJ5H4X7R2H102K115AA 1608 0.80 ± 0.10 $\pm 10\%$ CGJ5H4X7R2H102K115AA 1608 0.80 ± 0.10 $\pm 10\%$ CGJ5H4X7R2H152K115AA 1608 0.80 ± 0.10 $\pm 10\%$ CGJ5H4X7R2H222K115AA 1608 0.80 ± 0.10 $\pm 10\%$ CGJ5H4X7R2H32K115AA 1608 0.80 ± 0.10 $\pm 10\%$ CGJ5H4X7R2H472K115AA 1608 0.80 ± 0.10 $\pm 10\%$ CGJ5H4X7R2H682K115AA 1608 0.80 ± 0.10 $\pm 10\%$ CGJ5H4X7R2H682K115AA 1608 0.80 ± 0.10 $\pm 10\%$ CGJ5H4X7R2H682K115AA 1608 0.80 ± 0.10 $\pm 10\%$ CGJ5H4X7R2H103K115AA 2012 </td <td>Size (mm) Tolerance Rated Voltage Edc: 500V Rated Voltage Edc: 200V 1608 0.80 ± 0.10 \pm 10% CGJ5H4X7R2H102K115AA 100% 3216 1.15 ± 0.15 \pm 10% CGJ5H4X7R2H102K115AA 100% 3216 1.15 ± 0.15 \pm 10% CGJ5H4X7R2H152K115AA 100% 3216 1.15 ± 0.15 \pm 10% CGJ5H4X7R2H32K115AA 100% 2012 1.25 ± 0.20 \pm 10% CGJ5H4X7R2H472K115AA 100% 2012 1.25 ± 0.20 \pm 10% CGJ5H4X7R2H682K115AA 100% 2012 2012 1.25 ± 0.20 \pm 10% CGJ5H4X7R2H03X115AA 2012 1.25 ± 0.20 \pm 10% CGJ4J3X7R2D103K125AA 2012 1.25 ± 0.20 \pm 10% CGJ5H4X7R2H103K115AA 2012 1.25 ± 0.20 \pm 10% C</td>	Size (mm) Tolerance Rated Voltage Edc: 500V Rated Voltage Edc: 200V 1608 0.80 ± 0.10 \pm 10% CGJ5H4X7R2H102K115AA 100% 3216 1.15 ± 0.15 \pm 10% CGJ5H4X7R2H102K115AA 100% 3216 1.15 ± 0.15 \pm 10% CGJ5H4X7R2H152K115AA 100% 3216 1.15 ± 0.15 \pm 10% CGJ5H4X7R2H32K115AA 100% 2012 1.25 ± 0.20 \pm 10% CGJ5H4X7R2H472K115AA 100% 2012 1.25 ± 0.20 \pm 10% CGJ5H4X7R2H682K115AA 100% 2012 2012 1.25 ± 0.20 \pm 10% CGJ5H4X7R2H03X115AA 2012 1.25 ± 0.20 \pm 10% CGJ4J3X7R2D103K125AA 2012 1.25 ± 0.20 \pm 10% CGJ5H4X7R2H103K115AA 2012 1.25 ± 0.20 \pm 10% C

A Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.

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Capacitance Range Table

Class 2 (Temperature Stable)

Temperature Characteristics: X7R(-55 to +125 $^\circ$ C, ±15%)

Capacitance	Size	Thickness	Capacitance	Catalog Number	
Capacitance		(mm)	Tolerance	Rated Voltage Edc: 500V	Rated Voltage Edc: 100V
470 nF -	3216	1.60 ± 0.20	± 10%		CGJ5L2X7R2A474K160AA
470 HF	3225	2.00 ± 0.20	± 10%		CGJ6M2X7R2A474K200AA
680 nF	3225	1.60 ± 0.20	± 10%	CGJ6L2X7R2H684K160AA	
1 µF	3225	2.00 ± 0.20	± 10%		CGJ6M2X7R2A105K200AA

Class 2 (Temperature Stable)

Temperature Characteristics: X7S(-55 to +125°C, ±22%)

Conceitance	Size	Thickness	Capacitance	Catalog Number
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 100V
33 nF	1608	0.80 ± 0.10	± 10%	CGJ3E3X7S2A333K080AA
47 nF	1608	0.80 ± 0.10	± 10%	CGJ3E3X7S2A473K080AA
68 nF	1608	0.80 ± 0.10	± 10%	CGJ3E3X7S2A683K080AA
100 nF	1608	0.80 ± 0.10	± 10%	CGJ3E3X7S2A104K080AA
330 nF	2012	1.25 ± 0.20	± 10%	CGJ4J3X7S2A334K125AA
470 nF	2012	1.25 ± 0.20	± 10%	CGJ4J3X7S2A474K125AA
1.5 µF	3216	1.60 ± 0.20	± 10%	CGJ5L3X7S2A155K160AA
3.3 µF	3225	2.00 ± 0.20	± 10%	CGJ6M3X7S2A335K200AA
4.7 μF	3225	2.00 ± 0.20	± 10%	CGJ6M3X7S2A475K200AA

Class 2 (Temperature Stable)

Temperature Characteristics: X7T(-55 to +125°C, +22/-33%)

Capacitance	Size	Thickness	Capacitance	Catalog Number	
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 500V	Rated Voltage Edc: 200V
22 nF	3216	1.15 ± 0.15	± 10%	CGJ5H4X7T2H223K115AA	
33 nF -	2012	1.25 ± 0.20	± 10%		CGJ4J3X7T2D333K125AA
33 HF	3216	1.15 ± 0.15	± 10%	CGJ5H4X7T2H333K115AA	
47 nF -	2012	1.25 ± 0.20	± 10%		CGJ4J3X7T2D473K125AA
47 NF =	3216	1.60 ± 0.20	± 10%	CGJ5L4X7T2H473K160AA	
68 nF	2012	1.25 ± 0.20	± 10%		CGJ4J3X7T2D683K125AA
100 pE	2012	1.25 ± 0.20	± 10%		CGJ4J3X7T2D104K125AA
100 HF -	3225	1.60 ± 0.20	± 10%	CGJ6L4X7T2H104K160AA	
150 pE	3216	1.30 ± 0.20	± 10%		CGJ5K3X7T2D154K130AA
150 HF	3225	2.00 ± 0.20	± 10%	CGJ6M4X7T2H154K200AA	
220 nF	3216	1.60 ± 0.20	± 10%		CGJ5L3X7T2D224K160AA
330 nF	3225	2.00 ± 0.20	± 10%		CGJ6M3X7T2D334K200AA
	3225 3216 3225 3216 3225	1.60 ± 0.20 1.30 ± 0.20 2.00 ± 0.20 1.60 ± 0.20	± 10% ± 10% ± 10% ± 10%		CGJ5K3X7T2D154K130A CGJ5L3X7T2D224K160A

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